

E 3695



Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, NOVEMBER 2022

Fourth Semester

Core Course—ANIMAL DIVERSITY-CHORDATA

(Common for B.Sc. Zoology Model I, Model II and B.Sc. Industrial Microbiology and Zoology)

[2013 to 2016 Admissions]

Time : Three Hours

Maximum Marks : 60

Part A

Answer all questions. 1 mark each.

Answer not to exceed 30 words.

1. Chondrichthyes.
2. Axolotl larva.
3. True and false ribs.
4. Flippers.
5. *Doliolum*.
6. *Amblystoma*.
7. Habit and habitat of *Amphioxus*.
8. Retrogressive metamorphosis.

(8 × 1 = 8)

Part B

Answer any six questions. 2 marks each.

Answer not to exceed 50 words.

9. Petagium.
10. Any four features of squamata.
11. Salient features of Agnatha.
12. Atlas and axis.

Turn over





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13. Carnassial tooth.
14. Optic chiasma.
15. Dentition in rabbit.
16. Salient features of metatheria.
17. Wheel organ.
18. *Sphenodon*.

(6 × 2 = 12)

Part C

*Answer any **four** questions. 4 marks each.*

Answer not to exceed 150 words.

19. With suitable diagram explain the digestive system of rabbit.
20. Comment on the adaptations of *Chamaeleon*.
21. Distinguish between Artiodactyla and Perissodactyla.
22. Differentiate between cycloid and ctenoid scales in fishes.
23. Comment on common lung fishes.
24. Comment on the dentitions in mammals.

(4 × 4 = 16)

Part D

*Answer any **two** questions. 12 marks each.*

Answer not to exceed 400 words.

25. Write an essay on aquatic adaptations in mammals.
26. Write an essay on accessory respiratory organs in fishes.
27. Explain the key for identification of poisonous and non poisonous snakes.
28. Explain parental care in fishes.

(2 × 12 = 24)

